



DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
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IN REPLY REFER TO:
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From: Commander, Naval Facilities Engineering Command (NAVFAC Criteria Office)
To: Distribution

Subj: INTERIM TECHNICAL GUIDANCE (ITG) – AMMUNITION HANDLING PIERS
AND WHARVES CRITERIA

Ref: (a) MIL-HDBK 1025/2, "Dockside Utilities for Ship Service"

1. Purpose. The purpose of this guidance is to advise facility engineers, planners, and maintenance personnel of minimum criteria necessary to ensure efficient in-port operations of submarines using ammunition handling piers and wharves. Use this document to support planned Military Construction (MCON) for facilities supporting this operation. Retain this guidance until it is incorporated into the criteria noted in paragraph 5.

2. Background. Most of the active submarines (Los Angeles, Seawolf, and Virginia classes) are now equipped with the Vertical Launch System (VLS). Loading the VLS with missiles requires 8-12 days per year per submarine. Non-VLS weapons required significantly less time. Therefore, this change in weapons handling requirements has necessitated longer stays at ammunition piers and wharves.

3. Discussion. Shore power hotel services enable submarines to shut down internal power plants during the VLS loading operation thus lengthening the service life of the submarines and lengthening the shore time for sailors. The original MIL-HDBK requirements in Reference (a) were developed prior to missile capability on non-ballistic submarines. However, Explosives Handling Wharves for ballistic submarines (Ohio class) at King's Bay and Bangor provide shore power. This criteria is a compilation of lessons learned from existing ammunition handling piers and wharves, COMNAVSEASYSCOM, COMSUBLANT, and COMSUBPAC. Congressional support for all new construction is dependent on specific planning and design criteria applied consistently throughout the Navy - hence, the need to update the criteria.

4. Technical Guidance.

"Provide shore power hotel services on ammunition piers and wharves that are normally used to load or unload missiles onto or from submarines. This provision extends submarine service life and decreases manpower requirements during the loading/unloading operation."

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5. Action.

a. Engineering Field Divisions (EFDs) and Engineering Field Activities (EFAs) shall plan, design, and construct ammunition facilities supporting submarines according to the criteria stated herein. This document shall be used in conjunction with Activity and Fleet site specific requirements.

b. NAVFAC Criteria Office will coordinate revisions of the following criteria to incorporate the ITG stated herein:

- (1) Military Handbook 1025/2, "Dockside Utilities for Ship Service"
- (2) P-80, "Facility Planning Criteria for Navy and Marine Corps Shore Installations"

6. Coordination. This ITG has been coordinated with CLF, CPF, COMNAVSEASYS COM, COMSUBLANT, COMSUBPAC and internally within NAVFACENGCOM.

7. Points of Contact. For clarification or additional information related to this subject, please contact the NAVFAC Criteria Office point of contact, David Curfman, P.E., DSN 262-4203, 757-322-4203, fax 4416, email address curfmanrd@efdlant.navy.mil.



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